

CLAIMS

What is desired to be claimed in letters patent is:

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1. A light panel, comprising:

a backing sheet provided with at least one mirrored surface;

a diffuser sheet opposing said at least one mirrored surface of said backing sheet, and
configured to diffuse light; and

10 an edging strip connecting an edge of said backing sheet to an edge of said diffuser sheet,
and configured to support a plurality of point light sources, wherein:

said point light sources are directed at an acute angle towards said backing sheet.

2. The light panel according to claim 1, wherein:

15 said point light sources are directed at an angle of between 10 and 15 degrees relative to a
plane containing said backing sheet.

3. The light panel according to claim 2, wherein:

20 said point light sources are directed at an angle of substantially 12 degrees relative to a
plane containing said backing sheet.

4. The light panel according to claim 3, wherein:

said point light sources are light emitting diodes.

5. The light panel according to claim 3, wherein:

said point light sources are lenses illuminated via optical fibers.

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6. The light panel according to claim 1, wherein:

said point light sources are light emitting diodes.

7. The light panel according to claim 1, wherein:

10 said point light sources are lenses illuminated via optical fibers.

8. The light panel according to claim 1, wherein:

said edging strip comprises:

a reflective inner surface oriented at an acute angle relative to a plane normal to said

15 backing sheet.

9. The light panel according to claim 8, wherein:

said reflective inner surface is oriented at an angle of between 10 and 15 degrees relative to a plane normal to said backing sheet.

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10. The light panel according to claim 9, wherein:

said reflective inner surface is oriented at an angle of substantially 12 degrees relative to a

plane normal to said backing sheet.

11. The light panel according to claim 9, wherein:
said point light sources are light emitting diodes.

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12. The light panel according to claim 9, wherein:
said point light sources are lenses illuminated via optical fibers.

13. The light panel according to claim 1, wherein:

10 a thickness of said panel, comprising said diffuser sheet, said backing sheet and a space
therebetween, is no greater than 0.75 inches.

14. The light panel according to claim 13, wherein:

15 a thickness of said panel, comprising said diffuser sheet, said backing sheet and a space
therebetween, is no greater than 0.675 inches.

15. The light panel according to claim 13, wherein:
said point light sources are light emitting diodes.

- 20 16. The light panel according to claim 13, wherein:
said point light sources are lenses illuminated via optical fibers.

17. The light panel according to claim 1, further comprising:

a mask arranged to partially cover said diffuser sheet, such that light from said point light sources passes through at least one opening therein.

5 18. The light panel according to claim 17, wherein:

said at least one opening in said mask is in the shape of an alphanumeric character.

19. The light panel according to claim 17, wherein:

said point light sources are light emitting diodes.

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20. The light panel according to claim 17, wherein:

said point light sources are lenses illuminated via optical fibers.

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